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Properties of multilayer paperboard prepared from plant fiber

Monday, October 14, 2024 3:30 PM (20 minutes)

Marine microalgae are responsible for about 50% of primary production on the earth, and show high CO2 fixation capacity than higher plants on land (approximately 10 times higher in terms of unit area). Furthermore, they can convert atmospheric CO2 into a variety of substances, and are expected to be used as hosts for the production of oil and other valuable resources. Despite the high potential of microalgae, large-scale cultivation has yet to be realized using a wide range of marine areas. In addition, most conventional research has been conducted using model microalgal strains, while studies on the use of practical non-model microalgae have been limited. Furthermore, Japan has diverse environments, and thus there is a need to select microalgal strain that grow predominantly in these environments, and to establish their cultivation technologies.

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